

DIVISION OF MINES BOARD OF COAL MINING EXAMINERS CERTIFICATION REQUIREMENTS

http://www.dmme.virginia.gov/dm/default.htm

PHOTO ID REQUIRED

Article 3 of the <u>Coal Mine Safety Laws of Virginia</u> establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

CERTIFICATION CLASSIFICATION: *Underground Electrical Repairman (Coal)

This certification authorizes the holder to:

- Perform electrical work and inspections at all underground and surface areas of underground coal mines
- Make examinations on electrical equipment
- Conduct and record results of electrical examinations

NOTE: This certification shall be used at surface and underground mines.

APPLICATION/EXPERIENCE REQUIREMENTS:

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
 - Note: Classes are limited to 20 people and tend to fill quickly. Application fees are due no later than 5 working days prior to the examination, but this will not guarantee that an opening will be available.
- One year of electrical experience in underground coal mining under the direction of a certified underground electrical repairman or appropriately related work experience approved by the Chief of the Division of Mines. NOTE: Experience must be submitted within 5 years of passing the examination. After 5 years records are destroyed. Must reapply if future certification is desired.
- Current first aid training (MSHA 5000-23 Annual Retraining or New Miner Inexperienced Training acceptable).
- Six months credit will be granted for electrical educational training from a college, technical school or vocational school (certificate required). The remaining 6 months must be underground electrical work under the supervision of a certified electrician.
- Hold a General Miner Certification.

NOTE: Must provide MSHA Individual Identification Number prior to certification being issued.

EXAMINATION REQUIREMENTS: A score of 80% on each element of the examination.

ELEMENTS OF EXAM	NUMBER OF QUESTIONS
 Alternating Current (AC) 	20
Direct Current (DC)	20
Circuits & Equipment/drawings (CE)	25
Cable Splicing (CS)	20
High Voltage (HV)	20
 Legal Requirements (LR) 	20
Permissibility (PR)	20
 Gas Detection - practical demonstration 	

- Records Practical Stations (7)
- 1. Control Circuit Troubleshooting Electrical Schematic Reading (ER)
- 2. Electrical Examinations Record Keeping Underground (RU)
- 3. Electrical Examinations Record Keeping Surface (RS)
- 4. Cable Troubleshooting (CT)
- 5. Circuit Breaker Troubleshooting (CB)
- 5A. Pump Station (PP)
- 6. Permissibility (PD)
- 7. High Voltage Power Move (VP)

RECOMMENDED REFERENCE/STUDY MATERIALS:

- Electrical Study Guide (\$20.00)
- Coal Mine Safety Laws of Virginia (\$25.00)
- BCME Requirements (No Charge)
- Title 30 CFR Parts 18, 75, 77 (Included in study guide)
- First Aid for Miners Study Guide (\$15.00)

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8235 and Lebanon Field Office (276) 415-9650.

^{*8} hours Electrical Repairman continuing education will update this certification.